

TTCTGCCCTGACCCCCAAAGTGAGGAGAAGCTGCAAGGGAAAAGGGAGGGACAGATCAG 60
 GGAGACCGGGGAAGAAGGAGGACGAGCCAAGGAGGCTGCTGCCCCCACAGAGCAGCTC 120
 GGACTCAGCTCCCCGGAAAGCAACCCAGCTGCGGAGGCAACGGCAGTGCTGCTCCTCCAGC 180
 GAAGGACAGCAGGCAGGCAGACAGACAGAGGTCTGGACTGGAAGGCTCAGCCCCAG 240
 CCACTGGGCTGGGCTGGCCAATGGCTTAATGACCTCCTGCAGCAGGTGGGGGTGT 300
 M A F N D L L Q Q V G G V
 CGGGCGCTTCCAGCAGATCCAGGTCAACCTGGTGGTCTCCCCCTGCTCCTGATGGCTTC 360
 G R F Q Q I Q V T L V V L P L L L M A S
 TCACAAACACCCCTGCAGAACCTCACTGCTGCCATCCCTACCCACCACTGCCGCCGCTGC 420
 H N T L Q N F T A A I P T H H C R P P A
 CGATGCCAACCTCAGCAAGAACGGGGCTGGAGGTCTGGCTGCCCGGGACAGGCAGGG 480
 D A N L S K N G G L E V W L P R D R Q G
 GCAGCCTGAGTCCCTGCCCTCCGCTTACACCTCCCCGGCAGTGGGACTGCCCTTCTCAATGG 540
 Q P E S C L R F T S P Q W G L P F L N G
 CACAGAACCAATGGCACAGGGGCCACAGAGCCCTGCACCGATGGCTGGATCTATGACAA 600
 T E A N G T G A T E P C T D G W I Y D N
 CAGCACCTCCCCATCTACCATCGTACTGAGTGGGACCTTGTGCTCTCACAGGGCCCT 660
 S T F P S T I V T E W D L V C S H R A L
 ACGCCAGCTGGCCAGTCCTTGTACATGGTGGGGTGTGCTCGGAGCCATGGTGGT 720
 R Q L A Q S L Y M V G V L L G A M V F G
 CTACCTTGAGACAGGCTAGGCCGCCGAAGGTACTCATCTTGAACCTACCTGCAGACAGC 780
 Y L A D R L G R R K V L I L N Y L Q T A

FIG. 1

TGTGTCAGGGACCTGCGCAGCCTTCGCACCCAACTTCCCCATCTACTGCGCCTCCGGCT 840
 V S G T C A A F A P N F P I Y C A F R L

CCTCTCGGGCATGGCTCTGGCTGGCATCTCCCTCAACTGCATGACACTGAATGTGGAGTG 900
 L S G M A L A G I S L N C M T L N V E W

GATGCCCATTCACACACGGGCTGCGTGGCACCTTGATTGGCTATGTCACAGCCTGGG 960
 M P I H T R A C V G T L I G Y V Y S L G

CCAGTTCCCTCGGCTGGTGTGGCCTACGCTGTGCCCACTGGGCCACCTGCAGCTACT 1020
 Q F L L A G V A Y A V P H W R H L O L L

GGTCTCTGCGCCTTTGGCTTCATCTACTCCTGGTCTTCATTGAGTCGGCCCG 1080
 V S A P F F A F F I Y S W F F I E S A R

CTGGCACTCCCTCCGGAGGCTGGACCTCACCTGAGGGCCCTGCAGAGAGTCGCCCG 1140
 W H S S S G R L D L T L R A L Q R V A R

GATCAATGGGAAGCGGAAGAAGGAGCAAATTGAGTATGGAGGTACTCCGGCCAGTCT 1200
 I N G K R E E G A K L S M E V L R A S L

GCAGAAGGAGCTGACCATGGCAAAGGCCAGGCATGGCCATGGAGCTGCTGCGCTGCC 1260
 Q K E L T M G K G Q A S A M E L L R C P

CACCCCTCGCCACCTCTTCCCTGCCTCTCCATGCTGTGGTTGCCACTAGCTTGCATA 1320
 T L R H L F L C L S M L W F A T S F A Y

CTATGGGCTGGTCATGGACCTGCAGGGCTTGGAGTCAGCATCTACCTAACCTGAGGTGAT 1380
 Y G L V M D L Q G F G V S I Y L I Q V I

CTTGGTGCTGGACCTGCCCTGCCAGCTTGTGGCTTCCTGTCAACTCCCTGGG 1440
 F G A V D L P A K L V G F L V I N S L G

TCGCCGGCCTGCCAGATGGCTGCACTGCTGGCAGGCATCTGCATCCCTGCTCAATGG 1500
 R R P A Q M A A L L L A G I C I L L N G

GGTGATAACCCAGGACCAGTCCATTGCCGAACCTCTCTTGCTGTGCTGGGGAAAGGGTTG 1560
 V I P Q D Q S I V R T S L A V L G K G C

FIG. 2

TCTGGCTGCCTCCTCAACTGCATCTCCTGTATACTGGGAACTGTATCCCACAATGAT 1620
 L A A S F N C I F L Y T G E L Y P T M I

 CCGGCAGACAGGCATGGGAATGGGCAGCACCATGGCCCGAGTGGGCAGCATCGTGAGCCC 1680
 R Q T G M G M G S T M A R V G S I V S P

 ACTGGTGAGCATGACTGCCGAGCTCTACCCCTCCATGCCCTCTTCATCTACGGTGCTGT 1740
 L V S M T A E L Y P S M P L F I Y G A V

 TCCTGTGGCCGCCAGCGCTGTCACTGTCCTCTGCCAGAGACCCCTGGGCAGCCACTGCC 1800
 P V A A S A V T V L L P E T L G Q P L P

 AGACACGGTGAGGACCTGGAGAGCAGGAAAGGAAACAGACGCGACAGCAACAAGAGCA 1860
 D T V Q D L E S R K G K Q T R Q Q Q E H

 CCAGAAGTATATGGTCCCCTGCAGGCCCTCAGCACAAGAGAAGAATGGACTCTGAGGACT 1920
 Q K Y M V P L Q A S A Q E K N G L .

 GAGAAGGGGCCTTACAGAACCCCTAAAGGGAGGGAGGTCCATACAGGTCTCCGGCCACCCA 1980

 CACAAGGAGGAGGAAGAGGAAATGGTGACCCAAAGTGTGGGGTTGTGGTCAGGAAAGCA 2040

 TCTTCCCAGGGGTCCACCTCCCTTATAAACCCACCAGAACCATCATTAAAGGTT 2100

 GACTGCGAAAAAAAAAAAAAA → 2123

FIG. 3